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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/791,194	03/02/2004	Frank L. Hall	4718.2US (00-0316.02/US)	1948	
63162 TRASK BRIT	7590 08/24/200 T, P.C./ MICRON TEC	EXAMINER			
P.O. BOX 2550			HEINRICH, SAMUEL M		
SALT LAKE	CITY, UT 84110		ART UNIT PAPER NUMBER		
			1725		
			MAIL DATE	DELIVERY MODE	
			08/24/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)					
Office Action Summary		10/791,194	HALL, FRANK L.	HALL, FRANK L.				
		Examiner	Art Unit					
		Samuel M. Heinrich	1725					
The MAILING DATE of th Period for Reply	is communication app	ears on the cover sheet with	n the correspondence ac	ddress				
A SHORTENED STATUTORY WHICHEVER IS LONGER, FRG - Extensions of time may be available under after SIX (6) MONTHS from the mailing da - If NO period for reply is specified above, the - Failure to reply within the set or extended Any reply received by the Office later than earned patent term adjustment. See 37 C	OM THE MAILING DA r the provisions of 37 CFR 1.13 te of this communication. he maximum statutory period w period for reply will, by statute, three months after the mailing	TE OF THIS COMMUNIC, 6(a). In no event, however, may a repill apply and will expire SIX (6) MONTI cause the application to become ABA	ATION. Ily be timely filed HS from the mailing date of this of NDONED (35 U.S.C. § 133).					
Status								
1) Responsive to communic	ation(s) filed on							
2a) ☐ This action is FINAL .								
<u> </u>	,							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims								
4) Claim(s) 1-6 is/are pending in the application.								
4a) Of the above claim(s)	4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allo	5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-6</u> is/are rejecte	☑ Claim(s) <u>1-6</u> is/are rejected.							
7) Claim(s) is/are obj	Claim(s) is/are objected to.							
8)☐ Claim(s) are subje	ct to restriction and/or	election requirement.						
Application Papers	•							
9) The specification is object	ed to by the Examine							
10)⊠ The drawing(s) filed on <u>04 December 2006</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority under 35 U.S.C. § 119								
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:								
1. Certified copies of the priority documents have been received.								
2. Certified copies of the priority documents have been received in Application No								
3. Copies of the certified copies of the priority documents have been received in this National Stage								
application from the	e International Bureau	(PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.								
Attachment(s)								
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date.								
3) Information Disclosure Statement(s) (Paper No(s)/Mail Date <u>4 sheets</u> .			ormal Patent Application					

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's Admitted Prior Art (AAPA) in view of JP411006073A and in view of USPN 6,221,690 to Taniguchi et al and in view of USPN 5,635,671 to Freyman et al. AAPA describe well known resist removal and subsequent article encapsulation.

JP411006073A describes well known laser beam irradiation which cuts and roughens a surface prior to coating. Taniguchi et al describe (column 6, lines 40-67) cleaning of resist from a surface using a CO2 laser and subsequently encapsulating the article in a mold. Freyman et al describe (column 11, lines 48-51) degating as part of an automated encapsulation process in an automold system. The instant claimed process would have been obvious at the time applicant's invention was made to a person having ordinary skill in the art because both the cleaning and roughening steps are known for improvement of adhesion and because the automated cleaning and molding is well known in an automold process.

Response to Arguments

Applicant's arguments with respect to claims have been considered but are moot in view of the new ground(s) of rejection.

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Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kuge et al describe laser trimming prior to package molding. Motokui et al, Geisler et al, and JP10310859A describe laser treatment comprising roughening prior to coating. EP000472768A1 describes surface roughness improves adhesion.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Samuel M. Heinrich whose telephone number is 571-272-1175. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, J. Johnson can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. See http://pair-direct.uspto.gov. If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Samuel M Heinrich Primary Examiner

Samuel M. Herrich

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